

VICTORY VALIDATION – AN INTRODUCTION AND TECHNICAL OVERVIEW



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Validation Team Responsibilities

Experiment Guidelines and Philosophy

Initial Validation Status







Why Use VICTORY Standards?

"Stove-Pipe Solutions"



"Shared Services"



- Multiple GPS units
- Multiple SPUs
- Multiple displays

- Shared GPS unit(s)
- Shared SPU(s)
- Shared display(s)







Creating the Victory Standard



- VICTORY Standards Support Office (VSSO)
 - Oversee standards development
 - Market to the community
- Working Groups
 - Research technology
 - Develop specifications
 - Create standards documents
 - Schemas/WSDLs
 - VICTORY Standards Specification









Maturing the Specifications: Validation Team

Ensure clarity and completeness

 Provide reference implementations









Validation Team Structure



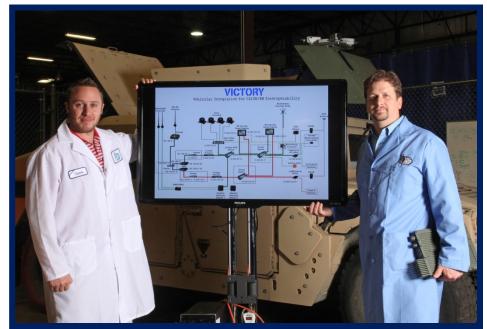
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Software Lead



Experiment Lead











Software Lead Responsibilities

- Overall source code design
 - Ensure new components fit
- Source code repository
 - Configure individual experiment repositories
 - Maintain master repository
 - Bug fixes
 - Merges



 Ensures software developers follow the standard







Experiment Lead Responsibilities



- Experiment plan
 - Develop/Document plan
 - Goals
 - Logical/Physical Design
 - Procedures
- Conduct experiment
 - Evaluate VICTORY Specification
 - Specification Document, Schemas, & WSDLs
 - Document findings/make recommendations
- Maintain issue tracking system
- Schedule experiment reviews







Software Developer Responsibilities



- Evaluate VICTORY Specification
 - Specification document
 - Schema & WSDLs
- Document findings
 - Anomalies/ambiguities
 - Make recommendations
- Develop software
 - Implement reference components
 - Follow the VICTORY Coding Standard





Validation Experiment Guidelines

- Goals
 - Mature standards
 - Ensure clarity
 - Reference functional components
- Multiple independent evaluations
 - Evaluators
 - Experiment Lead
 - Software Developer
 - Artifacts
 - Specification Document
 - Schema & WSDLs
- Provide feedback to Working Groups & VSSO
 - Detailed experiment results
 - Recommendations for removing ambiguities







Validation Experiment Philosophy



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Software

Developer

Experiment Lead













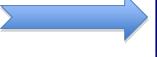
Evaluate Specifications





Initial Validation Plan



















Initial Validation Status



Specification Version	Number of Experiments	Number of Proposed Specifications
1.0	20	108
1.1	14	35
1.2	16	37
1.3	~12	~20
1.4	~18	~45
Total	~80	~240

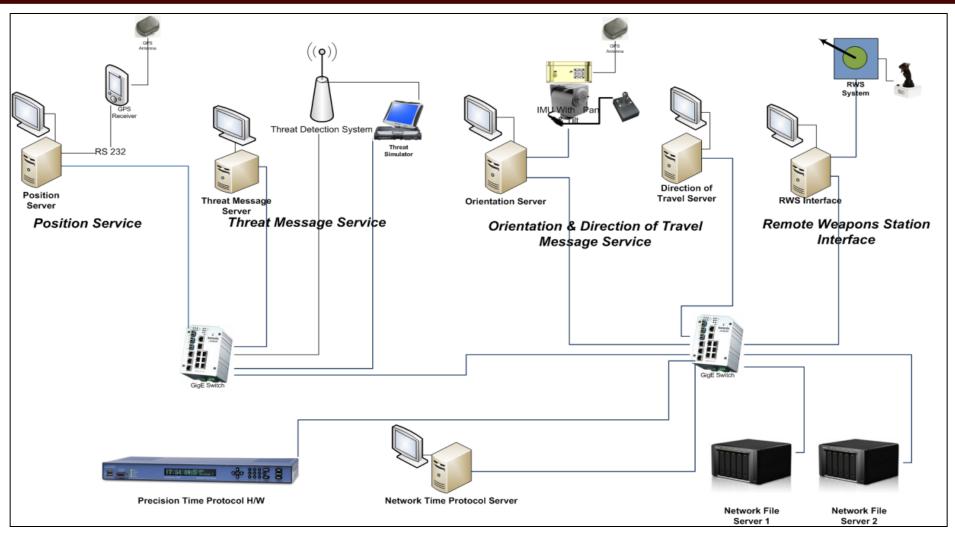






VICTORY Services network as implemented in the VICTORY SIL











Additional Validation Status



Specification Version	Number of Experiments	Number of Proposed Specifications
1.0	45	96
Total	45	96





- VICTORY Standards Process
 - Move from "stove-pipe" to shared services
- Validation Team Responsibilities
 - Software Lead Responsibilities
 - Overall validation software
 - Experiment Lead
 - Overall experiment
 - Software Developer
 - Functional components



Summary: Guidelines and Initial Status



- Validation Experiment Guidelines and Philosophy
 - Independent evaluations
 - Ensure the specifications: clear and complete
 - Provide reference functional components

- Initial Validation Status
 - 136 specifications at proposed level
 - 69 capabilities



